

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/627,568B
Source: IFW/16
Date Processed by STIC: 11/1/05

ENTERED



IFW

IFW 16

RAW SEQUENCE LISTING

DATE: 11/01/2005

PATENT APPLICATION: US/10/627,568B

TIME: 14:52:07

Input Set : A:\1963.01-7381US Seq Listing 102805.ST25.txt

Output Set: N:\CRF4\11012005\J627568B.raw

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3 <110> APPLICANT: Akzo Nobel Patent Department
5 <120> TITLE OF INVENTION: EIAV VACCINE AND DIAGNOSTIC
7 <130> FILE REFERENCE: I 2000.608 US D3
-> 9 <140> CURRENT APPLICATION NUMBER: US/10/627,568B
-> 10 <141> CURRENT FILING DATE: 2003-07-24
12 <150> PRIOR APPLICATION NUMBER: US 09/658,547
13 <151> PRIOR FILING DATE: 2000-09-09
15 <160> NUMBER OF SEQ ID NOS: 21
17 <170> SOFTWARE: PatentIn version 3.3
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 34
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Primer
27 <400> SEQUENCE: 1
28 ttacactag tatactccca tatatatcaa acct 34
31 <210> SEQ ID NO: 2
32 <211> LENGTH: 19
33 <212> TYPE: DNA
34 <213> ORGANISM: Artificial Sequence
36 <220> FEATURE:
37 <223> OTHER INFORMATION: Primer
39 <400> SEQUENCE: 2
40 catgctgttc ttactgtca 19
43 <210> SEQ ID NO: 3
44 <211> LENGTH: 27
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Primer
51 <400> SEQUENCE: 3
52 cctcattgca ctaagcaagg atcaggc 27
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 25
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Primer
63 <400> SEQUENCE: 4
64 gatagcttct aataatgtag cagta 25
67 <210> SEQ ID NO: 5
68 <211> LENGTH: 21

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69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Primer
75 <400> SEQUENCE: 5
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79 <210> SEQ ID NO: 6
80 <211> LENGTH: 20
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: Primer
87 <400> SEQUENCE: 6
88 attatttggt aaaggggtaa 20
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 27
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Primer
99 <400> SEQUENCE: 7
100 gcgatgctga ccatggtacc cctttac 27
103 <210> SEQ ID NO: 8
104 <211> LENGTH: 27
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Primer
111 <400> SEQUENCE: 8
112 attctacggg gtgatcccag ggggaat 27
115 <210> SEQ ID NO: 9
116 <211> LENGTH: 24
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Primer
123 <400> SEQUENCE: 9
124 ccattgtcag ctgtgtttcc tgag 24
127 <210> SEQ ID NO: 10
128 <211> LENGTH: 26
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Primer
135 <400> SEQUENCE: 10
136 ccaaagtatt cctccagtag aacctg 26
139 <210> SEQ ID NO: 11
140 <211> LENGTH: 4
141 <212> TYPE: PRT

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142 <213> ORGANISM: Equine infectious anemia virus
145 <220> FEATURE:
146 <221> NAME/KEY: MISC_FEATURE
147 <223> OTHER INFORMATION: putative nucleoporin motif
149 <400> SEQUENCE: 11
151 Gly Leu Phe Gly
152 1
155 <210> SEQ ID NO: 12
156 <211> LENGTH: 8
157 <212> TYPE: PRT
158 <213> ORGANISM: Equine infectious anemia virus
161 <220> FEATURE:
162 <221> NAME/KEY: MISC_FEATURE
163 <223> OTHER INFORMATION: putative nuclear localization sequence
165 <400> SEQUENCE: 12
167 Arg Arg Lys Gln Glu Thr Lys Lys
168 1 5
171 <210> SEQ ID NO: 13
172 <211> LENGTH: 65
173 <212> TYPE: PRT
174 <213> ORGANISM: Equine infectious anemia virus
177 <220> FEATURE:
178 <221> NAME/KEY: MISC_FEATURE
179 <223> OTHER INFORMATION: s2 amino acid sequence from Figure 2a
181 <400> SEQUENCE: 13
183 Met Gly Leu Phe Gly Lys Gly Val Thr Trp Ser Ala Ser His Ser Met
184 1 5 10 15
187 Gly Gly Ser Gln Gly Glu Ser Gln Pro Leu Leu Pro Asn Ser Gln Lys
188 20 25 30
191 Asn Leu Ser Val Arg Arg Thr Gln Cys Phe Asn Leu Ile Val Ile Ile
192 35 40 45
195 Met Thr Val Arg Thr Ala Trp Gln Asn Arg Arg Lys Gln Glu Thr Lys
196 50 55 60
199 Lys
200 65
203 <210> SEQ ID NO: 14
204 <211> LENGTH: 195
205 <212> TYPE: DNA
206 <213> ORGANISM: Equine infectious anemia virus
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <223> OTHER INFORMATION: wild type S2 nucleotide sequence from Figure 2b
213 <400> SEQUENCE: 14
214 atgggattat ttggtaaagg ggtaacatgg tcagcatcgc attctatggg gggatcccag 60
216 ggggaatctc aaccctatt acccaacagt cagaaaaatc taagtgtgag gagaacacaa 120
218 tgtttcaacc ttattgttat aataatgaca gtaagaacag catggcagaa tcgaaggaag 180
220 caagagacca agaaa 195
223 <210> SEQ ID NO: 15
224 <211> LENGTH: 198

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225 <212> TYPE: DNA
226 <213> ORGANISM: Artificial
228 <220> FEATURE:
229 <223> OTHER INFORMATION: Delta S2 nucleotide sequence from Figure 2b
232 <220> FEATURE:
233 <221> NAME/KEY: misc_feature
234 <222> LOCATION: (140)..(140)
235 <223> OTHER INFORMATION: n is a,c,g, or t
237 <400> SEQUENCE: 15
238 atgggagtat actagtgtaa aggggtaaca tggtcagcat cgcattctac ggggtgatcc      60
240 cagggggaat ctcaaccctt attacccaac agtcagaaaa atctaagtgt gaggagaaca      120
-> 242 caatgtttca accttattgn tataataatg acagtaagaa cagcatggca gaatcgaagg      180
244 aagcaagaga ccaagaaa                                     198
247 <210> SEQ ID NO: 16
248 <211> LENGTH: 55
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial
252 <220> FEATURE:
253 <223> OTHER INFORMATION: EIAVuk from Figure 6; Portion of molecular infectious clone of
254     equine infectious anemia virus
256 <400> SEQUENCE: 16
257 ttgttataag gtttgatata tgggattatt tggtaaaggg gtaacatggt cagca          55
260 <210> SEQ ID NO: 17
261 <211> LENGTH: 58
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial
265 <220> FEATURE:
266 <223> OTHER INFORMATION: EIAV uk Epsilon S2 from Figure 6; SpeI site
268 <400> SEQUENCE: 17
269 ttgttataag gtttgatata tgggagtata ctagtgtaaa ggggtaacat ggtcagca      58
272 <210> SEQ ID NO: 18
273 <211> LENGTH: 44
274 <212> TYPE: DNA
275 <213> ORGANISM: Artificial
277 <220> FEATURE:
278 <223> OTHER INFORMATION: D14 from Figure 7; 14 base deletion from EIAV uk epsilon S2
280 <400> SEQUENCE: 18
281 ttgttataag gttttactag tgtaaagggg taacatgggc agca          44
284 <210> SEQ ID NO: 19
285 <211> LENGTH: 33
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial
289 <220> FEATURE:
290 <223> OTHER INFORMATION: D25 from Figure 7; 25 base deletion from EIAV uk epsilon S2
292 <400> SEQUENCE: 19
293 ttgttataag gttttactag tacatgggtca gca          33
296 <210> SEQ ID NO: 20
297 <211> LENGTH: 52
298 <212> TYPE: DNA

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Input Set : A:\1963.01-7381US Seq Listing 102805.ST25.txt

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299 <213> ORGANISM: Artificial

301 <220> FEATURE:

302 <223> OTHER INFORMATION: D6 from Figure 9; 6 base deletion from EIAV uk epsilon S2

304 <400> SEQUENCE: 20

305 ttgttataag gtttgaggag tatactagtg taaaggggta acatggtcag ca 52

308 <210> SEQ ID NO: 21

309 <211> LENGTH: 49

310 <212> TYPE: DNA

311 <213> ORGANISM: Artificial

313 <220> FEATURE:

314 <223> OTHER INFORMATION: D9 from Figure 9; 9 base deletion from EIAV uk epsilon S2

316 <400> SEQUENCE: 21

317 ttgttataag gtttgagtat actagtgtaa aggggtaaca tggtcagca 49

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/01/2005
PATENT APPLICATION: US/10/627,568B TIME: 14:52:08

Input Set : A:\1963.01-7381US Seq Listing 102805.ST25.txt
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Base Note:

One or more of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

Seq#:15; N Pos. 140

Valid <213> Response:

One or more of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:15,16,17,18,19,20,21

VERIFICATION SUMMARY

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9 M:270 C: Current Application Number differs, Replaced Current Application Number

10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:120